

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|------------------------------|------------------|---------|---------------------|
| L1 | 1 | "10/524,417" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:29 |
| L2 | 57 | TAKEDA-HIROMITSU.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:29 |
| L3 | 4 | YABUKI-KAYO.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:29 |
| L4 | 4085 | 428/212.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:30 |
| L5 | 1188 | 106/31.6.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:30 |
| L6 | 2105 | 523/160-161.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:30 |
| L7 | 3129 | L5 L6 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:30 |
| L8 | 7214 | L4 L5 L6 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:30 |
| L9 | 247 | heat with ray with reflect \$3 with type | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:30 |
| L10 | 4 | heat adj ray adj (reflection reflecting) adj type | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:30 |
| L11 | 28 | L9 and (solar "solar radiation" sunlight) with (reflecting control) with (film sheet substrate) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:31 |
| L12 | 26 | L9 and (((visible near3 light) light sunlight) with absorb\$4 with (film sheet layer ink)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:32 |
| L13 | 22 | ((heat adj ray) infrared (infrared adj ray)) adj (reflection reflecting) adj type | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:33 |

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|-----|-------|---|------------------------|----|----|------------------|
| L14 | 39 | ((heat adj ray) infrared (infrared adj ray)) adj reflect\$3 adj type | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:33 |
| L15 | 31669 | (light "visible light") near3 absorb\$4 near3 (ink dye material) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:33 |
| L16 | 12276 | (light "visible light") near3 absorb\$4 near3 (ink dye) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:34 |
| L17 | 9298 | L16 and (azo perylene aniline carbon titanium) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:35 |
| L18 | 6712 | L16 and (azo perylene aniline titanium) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:35 |
| L19 | 9298 | L16 and (azo (perylene perilene) aniline carbon titanium) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:36 |
| L20 | 6712 | L16 and (azo (perylene perilene) aniline titanium) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:38 |
| L21 | 2802 | L18 and (particle adj (size diameter)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:38 |
| L22 | 2802 | L20 and (particle adj (size diameter)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:38 |
| L23 | 4366 | L16 and ((azo near2 dark) ((perylene aniline) near2 black) titanium) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:40 |
| L24 | 2246 | L23 and (particle adj (size diameter)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:40 |
| L25 | 635 | L16 and (((azo near2 dark) ((perylene aniline) near2 black) titanium) same (particle adj (size diameter))) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:41 |
| L26 | 279 | L16 and (((azo near2 dark) ((perylene aniline carbon) near2 black) titanium) same ((particle adj (size diameter)) with ("nm" nanometer))) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:42 |
| L27 | 28 | L16 and (((azo near2 dark) ((perylene aniline) near2 black) (titanium near2 (black nitride oxynitride))) same ((particle adj (size diameter)) with ("nm" nanometer))) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:42 |

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|-----|---------|---|------------------------|----|----|------------------|
| L28 | 16699 | ((light (visible near3 light)) near5 absorb\$4) near5 (ink dye)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:43 |
| L29 | 51 | L28 and (((azo near3 dark) ((perylene aniline) near3 black) (titanium near3 (black nitride oxynitride))) same ((particle adj (size diameter)) with ("nm" nanometer))) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:44 |
| L30 | 1 | L29 and L8 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:44 |
| L31 | 983 | L28 and ((azo near3 dark) ((perylene aniline) near3 black) (titanium near3 (black nitride oxynitride))) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:45 |
| L32 | 23 | L31 and L8 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:45 |
| L33 | 18 | L32 and (particle near3 (size diameter)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 10:46 |
| S1 | 1 | "10/524,417" | US-PGPUB; USPAT | OR | ON | 2007/04/26 12:23 |
| S2 | 47 | TAKEDA-HIROMITSU.in. | US-PGPUB; USPAT | OR | ON | 2007/04/26 16:02 |
| S3 | 2 | YABUKI-KAYO.in. | US-PGPUB; USPAT | OR | ON | 2007/04/26 12:35 |
| S4 | 1 | "6180025".pn. | US-PGPUB; USPAT | OR | ON | 2007/04/26 12:35 |
| S5 | 3005 | "visible light" with absorb \$4 with (film sheet layer) | US-PGPUB; USPAT | OR | ON | 2007/12/21 12:01 |
| S6 | 3381 | 428/212.ccls. | US-PGPUB; USPAT | OR | ON | 2007/04/26 16:03 |
| S7 | 24 | S5 and S6 | US-PGPUB; USPAT | OR | ON | 2007/04/26 16:03 |
| S8 | 3492973 | @ad<"20010821" | US-PGPUB; USPAT | OR | ON | 2007/04/26 16:04 |
| S9 | 12 | S7 and S8 | US-PGPUB; USPAT | OR | ON | 2007/04/26 17:31 |
| S10 | 11062 | "visible light" with absorb \$4 | US-PGPUB; USPAT | OR | ON | 2007/04/26 17:45 |
| S11 | 50 | S10 and S6 | US-PGPUB; USPAT | OR | ON | 2007/04/26 17:45 |
| S12 | 28 | S8 and S11 | US-PGPUB; USPAT | OR | ON | 2007/04/26 17:46 |
| S13 | 325 | chromaticness | US-PGPUB; USPAT | OR | ON | 2007/04/26 17:46 |

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|-----|-------|---|--------------------|----|----|---------------------|
| S14 | 21594 | haze | US-PGPUB; USPAT | OR | ON | 2007/04/26 17:46 |
| S15 | 66564 | (pigment particle) with binder | US-PGPUB; USPAT | OR | ON | 2007/04/26 17:47 |
| S17 | 5297 | reflect\$5 with (high ten "10") with visible | US-PGPUB; USPAT | OR | ON | 2007/04/26 17:49 |
| S18 | 671 | S10 and S17 | US-PGPUB; USPAT | OR | ON | 2007/04/26 17:49 |
| S19 | 383 | S5 and S17 | US-PGPUB; USPAT | OR | ON | 2007/04/26 17:49 |
| S21 | 1086 | (solar "solar radiation" sunlight) with (reflecting control) with film | US-PGPUB; USPAT | OR | ON | 2007/04/26 17:56 |
| S22 | 3381 | 428/212.ccls. | US-PGPUB; USPAT | OR | ON | 2007/04/27 10:32 |
| S23 | 11062 | "visible light" with absorb \$4 | US-PGPUB; USPAT | OR | ON | 2007/04/27 10:32 |
| S24 | 50 | S23 and S22 | US-PGPUB; USPAT | OR | ON | 2007/04/27 10:32 |
| S25 | 325 | chromaticness | US-PGPUB; USPAT | OR | ON | 2007/04/27 12:09 |
| S26 | 21594 | haze | US-PGPUB; USPAT | OR | ON | 2007/04/27 11:38 |
| S27 | 66564 | (pigment particle) with binder | US-PGPUB; USPAT | OR | ON | 2007/04/27 11:38 |
| S28 | 23 | S25 and S26 and S27 | US-PGPUB; USPAT | OR | ON | 2007/04/27 11:38 |
| S29 | 5297 | reflect\$5 with (high ten "10") with visible | US-PGPUB; USPAT | OR | ON | 2007/04/27 11:48 |
| S30 | 15 | S24 and S29 | US-PGPUB; USPAT | OR | ON | 2007/04/27 11:48 |
| S31 | 1086 | (solar "solar radiation" sunlight) with (reflecting control) with film | US-PGPUB; USPAT | OR | ON | 2007/04/27 12:11 |
| S32 | 33 | S22 and S31 | US-PGPUB; USPAT | OR | ON | 2007/04/27 12:02 |
| S33 | 1225 | (chromaticness CI LAB) with (a* b* c*) | US-PGPUB; USPAT | OR | ON | 2007/04/27 12:10 |
| S34 | 2199 | (visible solar "solar radiation" sunlight) with (reflecting control) with film | US-PGPUB; USPAT | OR | ON | 2007/04/27 12:11 |
| S35 | 1225 | (chromaticness CI LAB) with (a* b* c*) | US-PGPUB; USPAT | OR | ON | 2007/04/29 13:24 |
| S36 | 2199 | (visible solar "solar radiation" sunlight) with (reflecting control) with film | US-PGPUB; USPAT | OR | ON | 2007/04/29 13:24 |

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|-----|-------|---|--------------------|----|----|---------------------|
| S37 | 21 | S35 and S36 | US-PGPUB; USPAT | OR | ON | 2007/04/27 14:08 |
| S38 | 173 | (light with reflect\$5) and ((degree near5 reduction) with reflect\$5) | US-PGPUB; USPAT | OR | ON | 2007/04/27 14:11 |
| S39 | 1 | S35 and S38 | US-PGPUB; USPAT | OR | ON | 2007/04/27 14:12 |
| S40 | 11224 | haze and (metal metallic) and (aluminum copper silver "Al" "Cu" "Ag") and (pigment dye particle) | US-PGPUB; USPAT | OR | ON | 2007/04/27 14:19 |
| S41 | 71 | S35 and S40 | US-PGPUB; USPAT | OR | ON | 2007/04/27 14:53 |
| S42 | 159 | S36 and S40 | US-PGPUB; USPAT | OR | ON | 2007/04/27 14:15 |
| S43 | 2 | S38 and S40 | US-PGPUB; USPAT | OR | ON | 2007/04/27 14:15 |
| S44 | 156 | S42 not S41 not S43 | US-PGPUB; USPAT | OR | ON | 2007/04/27 14:15 |
| S45 | 1 | "4022947".pn. | US-PGPUB; USPAT | OR | ON | 2007/04/27 14:18 |
| S46 | 745 | haze and (metal metallic) and ((aluminum with copper with silver) or ("Al" with "Cu" with "Ag")) and (pigment dye particle) | US-PGPUB; USPAT | OR | ON | 2007/04/27 14:22 |
| S47 | 1 | S38 and S46 | US-PGPUB; USPAT | OR | ON | 2007/04/27 14:22 |
| S48 | 46 | S36 and S46 | US-PGPUB; USPAT | OR | ON | 2007/04/27 14:22 |
| S49 | 1 | S35 and S46 | US-PGPUB; USPAT | OR | ON | 2007/04/27 14:53 |
| S50 | 2199 | (visible solar "solar radiation" sunlight) with (reflecting control) with film | US-PGPUB; USPAT | OR | ON | 2007/04/29 13:24 |
| S51 | 327 | S50 and ink | US-PGPUB; USPAT | OR | ON | 2007/12/21 12:03 |
| S52 | 1804 | (chromaticness chromaticity CIELAB) with (a* b* c*) | US-PGPUB; USPAT | OR | ON | 2007/04/29 13:24 |
| S53 | 2 | S51 and S52 | US-PGPUB; USPAT | OR | ON | 2007/04/29 13:25 |
| S54 | 3381 | 428/212.ccls. | US-PGPUB; USPAT | OR | ON | 2007/04/29 13:25 |
| S55 | 12 | S51 and S54 | US-PGPUB; USPAT | OR | ON | 2007/04/29 14:44 |

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|-----|---------|--|--------------------|----|----|---------------------|
| S56 | 21831 | haze "JIS K 7105" | US-PGPUB; USPAT | OR | ON | 2007/04/29 14:44 |
| S57 | 276 | S50 and S56 | US-PGPUB; USPAT | OR | ON | 2007/04/29 14:44 |
| S58 | 87 | S51 and S56 | US-PGPUB; USPAT | OR | ON | 2007/04/29 14:45 |
| S59 | 1 | S52 and S58 | US-PGPUB; USPAT | OR | ON | 2007/04/29 14:45 |
| S60 | 23 | S50 and S52 | US-PGPUB; USPAT | OR | ON | 2007/04/29 14:45 |
| S61 | 14 | S56 and S60 | US-PGPUB; USPAT | OR | ON | 2007/04/29 14:45 |
| S62 | 1 | "10/524,417" | US-PGPUB; USPAT | OR | ON | 2007/12/21 11:22 |
| S63 | 55 | TAKEDA-HIROMITSU.in. | US-PGPUB; USPAT | OR | ON | 2007/12/21 11:22 |
| S64 | 3 | YABUKI-KAYO.in. | US-PGPUB; USPAT | OR | ON | 2007/12/21 11:22 |
| S65 | 1 | "6180025".pn. | US-PGPUB; USPAT | OR | ON | 2007/12/21 11:23 |
| S66 | 3517 | 428/212.ccls. | US-PGPUB; USPAT | OR | ON | 2007/12/21 11:23 |
| S67 | 62631 | (light "visible light") with absorb\$4 with (film sheet layer material) | US-PGPUB; USPAT | OR | ON | 2007/12/21 12:02 |
| S68 | 32868 | S67 and (ink dye colorant pigment) | US-PGPUB; USPAT | OR | ON | 2007/12/21 12:04 |
| S69 | 203 | S66 and S68 | US-PGPUB; USPAT | OR | ON | 2007/12/21 12:05 |
| S70 | 3498558 | @ad<"20010821" | US-PGPUB; USPAT | OR | ON | 2007/12/21 12:05 |
| S71 | 103 | S69 and S70 | US-PGPUB; USPAT | OR | ON | 2007/12/21 12:05 |
| S72 | 1 | "10/524,417" | US-PGPUB; USPAT | OR | ON | 2008/06/17 10:35 |
| S73 | 55 | TAKEDA-HIROMITSU.in. | US-PGPUB; USPAT | OR | ON | 2008/06/17 10:35 |
| S74 | 3 | YABUKI-KAYO.in. | US-PGPUB; USPAT | OR | ON | 2008/06/17 10:35 |
| S75 | 3601 | 428/212.ccls. | US-PGPUB; USPAT | OR | ON | 2008/06/17 13:39 |
| S76 | 47848 | ((visible near3 light) light solar) with absorb\$4 with (lamine film sheet layer article) | US-PGPUB; USPAT | OR | ON | 2008/06/17 13:40 |

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|-----|---------|---|--------------------|----|----|---------------------|
| S77 | 15710 | ((reflectiv\$5 reflect\$5) same (solar sun sunlight)) and ((reflectiv\$5 reflect\$5) same (visible light)) | US-PGPUB; USPAT | OR | ON | 2008/06/17 13:43 |
| S78 | 2760 | S76 and S77 | US-PGPUB; USPAT | OR | ON | 2008/06/17 13:44 |
| S79 | 447 | S78 and (coat\$4 with (ink dye colorant)) | US-PGPUB; USPAT | OR | ON | 2008/06/17 13:45 |
| S80 | 11 | S75 and S79 | US-PGPUB; USPAT | OR | ON | 2008/06/17 13:45 |
| S81 | 3601 | 428/212.ccls. | US-PGPUB; USPAT | OR | ON | 2008/06/17 13:48 |
| S82 | 65845 | (light "visible light") with absorb\$4 with (film sheet layer material) | US-PGPUB; USPAT | OR | ON | 2008/06/17 13:48 |
| S83 | 34503 | S82 and (ink dye colorant pigment) | US-PGPUB; USPAT | OR | ON | 2008/06/17 13:48 |
| S84 | 213 | S81 and S83 | US-PGPUB; USPAT | OR | ON | 2008/06/17 13:48 |
| S85 | 3501622 | @ad< "20010821" | US-PGPUB; USPAT | OR | ON | 2008/06/17 13:48 |
| S86 | 103 | S84 and S85 | US-PGPUB; USPAT | OR | ON | 2008/06/17 13:48 |
| S88 | 90685 | masaaki | JPO | OR | ON | 2008/06/23 11:36 |
| S89 | 149 | masaaki.in. and transparent.ti. | JPO | OR | ON | 2008/06/23 11:36 |
| S90 | 49 | masaaki.in. and ("transparent conductive film").ti. | JPO | OR | ON | 2008/06/23 11:37 |
| S91 | 1 | "10182190" | JPO | OR | ON | 2008/06/23 11:38 |
| S92 | 1 | "2000238170" | JPO | OR | ON | 2008/06/23 12:10 |
| S93 | 1 | "10/524,417" | US-PGPUB; USPAT | OR | ON | 2009/02/27 09:50 |
| S94 | 56 | TAKEDA-HIROMITSU.in. | US-PGPUB; USPAT | OR | ON | 2009/02/27 09:50 |
| S95 | 4 | YABUKI-KAYO.in. | US-PGPUB; USPAT | OR | ON | 2009/02/27 09:50 |
| S96 | 164 | heat with ray with reflect \$3 with type | US-PGPUB; USPAT | OR | ON | 2009/02/27 09:54 |
| S97 | 2 | heat adj ray adj (reflection reflecting) adj type | US-PGPUB; USPAT | OR | ON | 2009/02/27 09:54 |
| S98 | 26 | S96 and (solar "solar radiation" sunlight) with (reflecting control) with (film sheet substrate) | US-PGPUB; USPAT | OR | ON | 2009/02/27 09:56 |

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|------|-------|---|-----------------|----|----|------------------|
| S99 | 21 | S96 and (((visible near3 light) light sunlight) with absorb\$4 with (film sheet layer ink)) | US-PGPUB; USPAT | OR | ON | 2009/02/27 10:02 |
| S100 | 18 | ((heat adj ray) infrared (infrared adj ray)) adj (reflection reflecting) adj type | US-PGPUB; USPAT | OR | ON | 2009/02/27 11:26 |
| S101 | 34 | ((heat adj ray) infrared (infrared adj ray)) adj reflect\$3 adj type | US-PGPUB; USPAT | OR | ON | 2009/02/27 11:28 |
| S102 | 28131 | (light "visible light") near3 absorb\$4 near3 (ink dye material) | US-PGPUB; USPAT | OR | ON | 2009/02/27 11:30 |
| S103 | 11063 | (light "visible light") near3 absorb\$4 near3 (ink dye) | US-PGPUB; USPAT | OR | ON | 2009/02/27 11:31 |
| S104 | 8437 | S103 and (azo perylene aniline carbon titanium) | US-PGPUB; USPAT | OR | ON | 2009/02/27 11:32 |
| S105 | 8437 | S103 and (azo (perylene perilene) aniline carbon titanium) | US-PGPUB; USPAT | OR | ON | 2009/02/27 11:32 |
| S106 | 3122 | S104 and (particle adj (size diameter)) | US-PGPUB; USPAT | OR | ON | 2009/02/27 11:33 |
| S107 | 4648 | S103 and ((azo near2 dark) ((perylene aniline carbon) near2 black) titanium) | US-PGPUB; USPAT | OR | ON | 2009/02/27 11:34 |
| S108 | 2317 | S107 and (particle adj (size diameter)) | US-PGPUB; USPAT | OR | ON | 2009/02/27 11:34 |
| S109 | 686 | S103 and (((azo near2 dark) ((perylene aniline carbon) near2 black) titanium) same (particle adj (size diameter))) | US-PGPUB; USPAT | OR | ON | 2009/02/27 11:36 |
| S110 | 237 | S103 and (((azo near2 dark) ((perylene aniline carbon) near2 black) titanium) same ((particle adj (size diameter)) with ("nm" nanometer))) | US-PGPUB; USPAT | OR | ON | 2009/02/27 11:37 |
| S111 | 72 | S103 and (((azo near2 dark) ((perylene aniline carbon) near2 black) (titanium near2 (black nitride oxynitride))) same ((particle adj (size diameter)) with ("nm" nanometer))) | US-PGPUB; USPAT | OR | ON | 2009/02/27 11:41 |
| S112 | 15092 | ((light (visible near3 light)) near5 absorb\$4) near5 (ink dye)) | US-PGPUB; USPAT | OR | ON | 2009/02/27 12:16 |

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|------|------|--|--------------------|----|----|---------------------|
| S113 | 116 | S112 and (((azo near3 dark) ((perylene aniline carbon) near3 black) (titanium near3 (black nitride oxynitride)))) same ((particle adj (size diameter)) with ("nm" nanometer))) | US-PGPUB; USPAT | OR | ON | 2009/02/27 12:17 |
| S114 | 1074 | 106/31.6.ccls. | US-PGPUB; USPAT | OR | ON | 2009/02/27 12:18 |
| S115 | 1997 | 523/160-161.ccls. | US-PGPUB; USPAT | OR | ON | 2009/02/27 12:18 |
| S116 | 2915 | S114 S115 | US-PGPUB; USPAT | OR | ON | 2009/02/27 12:18 |
| S117 | 2 | S113 and S116 | US-PGPUB; USPAT | OR | ON | 2009/02/27 12:18 |
| S118 | 3330 | S112 and ((azo near3 dark) ((perylene aniline carbon) near3 black) (titanium near3 (black nitride oxynitride))) | US-PGPUB; USPAT | OR | ON | 2009/02/27 12:20 |
| S119 | 41 | S118 and S116 | US-PGPUB; USPAT | OR | ON | 2009/02/27 12:20 |
| S120 | 1 | "20020033117".pn. | US-PGPUB; USPAT | OR | ON | 2009/02/27 12:27 |
| S121 | 29 | S119 and (particle near3 (size diameter)) | US-PGPUB; USPAT | OR | ON | 2009/02/27 12:38 |
| S122 | 2 | ("4382995" "5030503").pn. | US-PGPUB; USPAT | OR | ON | 2009/02/27 12:51 |
| S123 | 1 | S122 and (black carbon) | US-PGPUB; USPAT | OR | ON | 2009/02/27 12:51 |

EAST Search History (I nterference)

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